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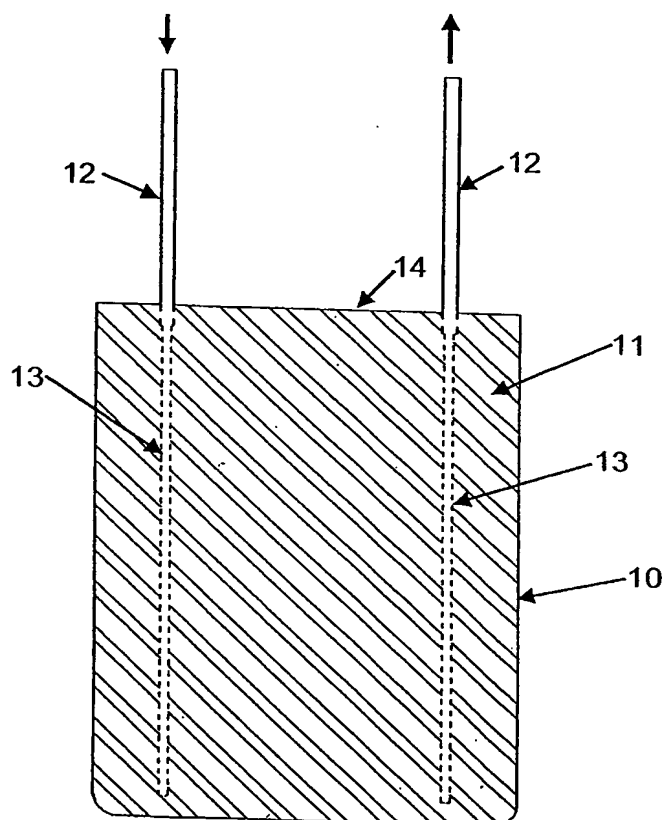
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- (71) Applicant (for all designated States except US): **POR-VAIR PLC** [GB/GB]; Riverside Industrial Estate, Estuary Road, King's Lynn Norfolk PE30 2HS (GB).
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(54) Title: **COMPACT MICRO-POROUS MEDIA DEGASSER**



(57) Abstract: A degasser (10) for molten metal with a microporous plate (11). The microporous has at least one internal passageway (13) and an interface tube (12) attached to the microporous plate in flow communication with the internal passageway.

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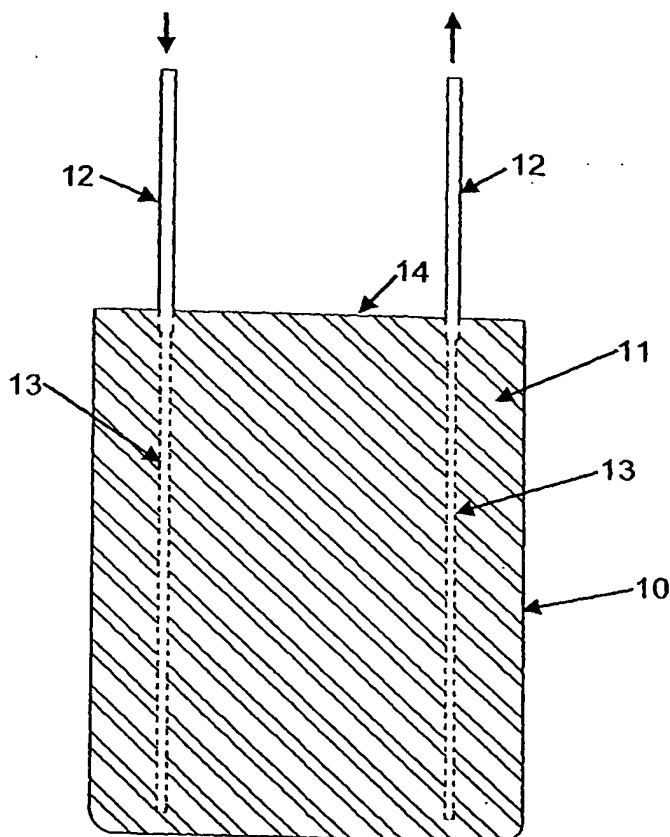
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(54) Title: COMPACT MICRO-POROUS MEDIA DEVICE DEGASSING MOLTEN METAL



(57) Abstract: A degasser (10) for molten metal with a microporous plate (11). The microporous plate has at least one internal passageway (13) and an interface tube (12) attached to the microporous plate in flow communication with the internal passageway. In use the degasser is submerged entirely below the surface of the molten metal. Hydrogen is removed from the metal melt by diffusion of hydrogen atoms into the porous plate to form therein H₂ gas. Either a vacuum or a purge of inert gas removes hydrogen gas from the microporous plate through the interface tube (12). In a preferred embodiment the microporous plate has an internal cavity in flow communication with the interface tube(s).

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